

CELERY, ENDIVE and LETTUCE VARIETY TRIALS - 1970

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
MUCK CROPS BRANCH, CELERYVILLE, OHIO

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DEPARTMENT OF HORTICULTURE

Ohio Agricultural Research and Development Center
Wooster, Ohio

Department of Horticulture Mimeograph Series No. 369
December 21, 1970

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LATE CELERY VARIETY TRIALS - 1970
E. K. Alban¹ and Edward Postema²

Twenty varieties or strains of varieties were compared in six replicated trials. The sixth replication which was planted next to a willow row lacked sufficient growth to be included in the tabulations, thus only five replications were used in the tabulations. The results of the planting are given in Table 1.

CULTURAL INFORMATION

Seed Sown: greenhouse - April 22, transplanted to greenhouse benches May 15, and set in field June 8.

Fertilizer: 900 lbs./A of 0-25-25 applied after planting and disked in. Side dressing of ammonium nitrate approximately two and four weeks after field setting.

Spacing: Paired rows spaced 34 inches with 40 inches between paired rows for better equipment clearance. Plants were spaced approximately 6.5 inches in the row, with 41 plants per 23 foot plot, 41 plants for record. Each single row plot replicated six times in each planting.

Pesticide: Eight applications of M-45 applied at weekly intervals with an insecticide of Diazinon or malathion alternating.

Growing Conditions: Temperatures were above normal causing most of the celery varieties to mature approximately two weeks sooner than normal, with many of the stalks being soft and pithy.

	Rainfall
June	3.84"
July	3.70
August	.79

Harvest Dates: 1/3 of the crop was harvested on each of the following dates, September 1, 2, 3.

SOURCES OF SEED

- A-1 Abbott & Cobb, 4744-46 Frankford Ave., Philadelphia, Pa. 19124
- F-1 Ferry-Morse Seed Co., Box 100, Mountainview, Calif. 94040
- H-1 Joseph Harris Seed Co., Inc. Moreton Farm, Rochester, N.Y. 14624
- K-3 Keystone Seed Co., Box 1438, Hollister, Calif. 95023
- S-1 Stokes Seeds, Ltd., 86-88 Exchange St., Buffalo, N. Y. 14205

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TABLE 1. CELERY VARIETIES FOR LATE HARVEST, 1970
Celeryville, Ohio

VC '70 , p.2

(6 Replications)

Variety, Lot Number and Source	Avg. Wt. per Large Stalk	Yield per Plot ¹			Pet ct. 4" above Butt	Pet. Lngth Butt- l node	Pet. Lngth. Over- all	Trim Loss	Remarks
		Large Stalks	Small Stalks	Market- ables					
		lbs.	lbs.	lbs.					
19. E 0207 T-70 F-1	1.7	62.4	2.6	65.0	10.5	11.4	25.1	46.1	
3. Celery 3037 T-70 F-1	1.7	60.5	2.1	62.6	8.9	9.4	24.2	48.3	
15. Celery 3036 T-70 F-1	1.7	57.1	3.2	60.3	9.5	9.4	25.4	45.7	
4. Celery 8191 -- F-1	1.6	56.6	2.6	59.2	10.0	9.6	26.0	42.8	
20. Celery 3099 T-68 F-1	1.6	55.3	3.0	58.3	9.4	11.1	25.3	43.9	
6. Celery 6967 T-69 F-1	1.4	50.8	3.4	54.2	8.9	10.6	23.9	43.8	
8. Florida 683 T-69 F-1	1.4	49.0	4.0	53.0	9.6	9.0	25.0	50.5	
18. Tall Greenlight 567 H-1	1.4	50.4	2.1	52.5	10.3	10.0	25.8	53.7	
17. Utah 52-70 584 H-1	1.3	48.5	2.7	51.2	8.3	9.1	25.3	56.4	
7. Utah 52-70 T-68 S-1	1.4	47.6	3.6	51.2	7.7	9.8	25.7	51.1	
LSD @ 5% level		10.0		9.2					

1. Yield per plot of 23 feet. To convert to 60 lb. crates/A, multiply by 9.71

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TABLE 1. CELERY VARIETIES FOR LATE HARVEST, 1970
Celeryville, Ohio

VC '70 , p.3

(6 Replications)

Variety, Lot Number and Source	Avg. Wt.per. Large Stalk	Yield per Plot ¹			Pet. ct. 4" above Butt	Pet. Lngth Butt- 1 node	Pet. Lngth. Over- all	Trim Loss	Remarks
		Large Stalks	Small Stalks	Market- ables					
	lbs.	lbs.	lbs.	lbs.		in.	in.	%	
10. X 303 T-68 F-1	1.2	47.4	2.9	50.3	8.7	10.0	22.1	48.6	
16. Florida 2-13 590 H-1	1.4	45.6	2.9	48.5	7.7	9.1	24.8	54.0	
14. Florimart -- K-3	1.2	43.3	5.1	48.4	10.2	9.3	20.5	52.5	
2. Glademaster T-69 F-1	1.4	45.0	3.0	48.0	9.7	9.1	22.6	47.5	
1. Tendercrisp T-70 F-1	1.3	44.3	3.4	47.7	8.2	10.3	25.3	52.2	
12. Improved 52-70 189 A-1	1.3	43.7	2.9	46.6	7.3	9.5	24.9	52.1	
5. Celery 7001 T-69 F-1	1.1	39.2	3.7	42.9	9.1	10.4	24.9	55.4	
11. Celery 8206 T-70 F-1	1.1	39.3	2.9	42.2	8.0	9.3	24.1	56.7	
13. Florida 52-70 K-3	0.9	34.4	6.7	41.1	8.4	9.5	24.5	57.2	
9. Celery 15C-4 T-69 F-1	1.2	43.5	4.8	40.3	10.0	10.0	24.5	46.8	
LSD @ 5% level		10.0		9.2					

1. Yield per plot of 23 feet. To convert to 60 lb. crates/A, multiply by 9.71

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ENDIVE VARIETY TRIALS - 1970

E. K. Alban¹ and Edward Postema²

Eight varieties of endive were evaluated for tip burn and scored on a 1-10 basis; 1 = no tip burn and 10 = severe tip burn. Seed was drilled June 4, 1970. Plots, replicated four times, were 75 feet long with 5 foot alleys between plots and a 20 foot alley in middle. All endive were so severely tipburned that no harvest data could be taken. Ranked according to lowest TB score for total harvest.

Variety	Scoring Date	TB Score
5. Green Curled (Ruffic)	7/15	4.5
Ferry-Morse	7/28	5.2
	Total Avg.	4.9
6. President	7/15	4.5
Letherman	7/28	5.5
	Total Avg.	5.0
9. Large Green Curled (White rib)	7/15	5.0
Abbott & Cobb	7/28	5.7
	Total Avg.	5.4
4. Green Curled Green Rib (Ruffic)	7/15	5.5
Ferry-Morse	7/28	6.0
	Total Avg.	5.7
8. Large Green Curled (TBR)	7/15	5.2
Abbott & Cobb	7/28	6.5
	Total Avg.	5.9
7. Green Curled (Pancalier)	7/15	5.7
Letherman	7/28	7.7
	Total Avg.	6.7
10. Green Curled Deep Heart (Pink rib)	7/15	6.5
Abbott & Cobb	7/28	8.5
	Total Avg.	7.5
1. Large Green Curled (Pink rib)	7/15	6.6
Ferry-Morse	7/28	8.9
	Total Avg.	7.7

SEED SOURCE

Abbott & Cobb, 4744-46 Frankford Avenue, Philadelphia, Pa. 19124

Ferry-Morse Seed Co., P. O. Box 100, Mountainview, Calif. 94040

Letherman Seed Co., 501 McKinley Ave., N. W., Canton, Ohio 44702

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LETTUCE VARIETY TRIALS - 1970

E. K. Alban¹ and Edward Postema²

Nine varieties of leaf lettuce were drilled May 28, 1970, and harvested July 15, 1970. Plots replicated four times were 75 feet long with five foot alley between plots and 20 foot alley in middle.

Variety	Source	Avg. lbs. harvested 4 plots
7. Slobolt	Harris	121.2
6. Slobolt	Holmes	119.2
9. Grand Rapids TBR	Ferry-Morse	117.9
2. Washington Strain	Holmes	113.8
1. Grand Rapids TBR	Holmes	110.2
4. Waldman's Dark Green	Holmes	100.6
8. Grand Rapids H-5-4	Letherman	94.6
5. Grand Rapids TBR	Seiger	84.5
3. Waldman's Dark Green	Seiger	73.6
LD at 5% level		31.0

SEED SOURCE

Ferry-Morse Seed Co., P. O. Box 100, Mountainview, Calif. 94040

Joseph Harris Co., Inc. Moreton Farm, Rochester, N. Y. 14624

Holmes Seed Co., 2125 46th A.W., Canton, Ohio 44709

Letherman Seed Co., 501 McKinley Ave., N. W., Canton, Ohio 44702

Seiger's, 7245 Imlay City Road, Imlay City, Michigan 48444

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